TENAC™-C G455X

POM-GF — Asahi Kasei

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**3**	g/10min	ISO 1133

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**8300**	MPa	ISO 527
Stress at break	**138**	MPa	ISO 527
Strain at break	**2**	%	ISO 527
Flexural modulus, 23°C	**8000**	MPa	ISO 178
Charpy notched impact strength, +23°C	**12**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**162**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**165**	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**65**	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	**1550**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80 - 90**	°C	-
Pre-drying - Time	**3 - 4**	h	-
Melt temperature	**180 - 210**	°C	-
Mold temperature	**60**	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Applications

Automotive

Features

Copolymer

Regional Availability

North America, Europe, Asia Pacific

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